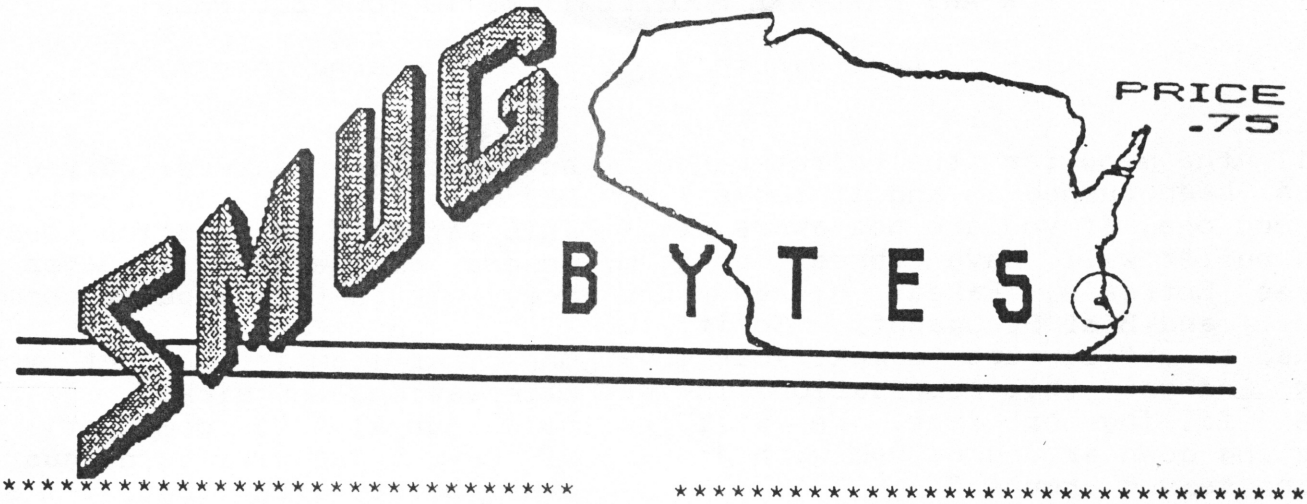

SMUG BYTES
Volume 7, Number 5
May 1990

Subscriptions = $10.00 per year or free with swap. Send to:

SINCLAIR MILWAUKEE USERS GROUP
P.O. Box 101, Butler WI 53007

THIS MONTH:

- *Last minute expo hints*
- *A review of DTE/DCE*
- *New Desk Top Publishing Magazine*
- *Presidents Message*
- *And Other Great Things*

If any articles are copied please credit SMUG BYTES and the author.

NEXT MEETING DATE: 06/06/90

Send all contributions by the 3rd Wednesday of the month to:

Bill Heberlein
Editor
SMUG BYTES
5052 N. 91st Street
Milwaukee WI 53225

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All Area Codes Are 414

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- 353 4522
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- 527 2191
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Meeting Alt. Sundays of the month
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*Meet-no set date. Call for info.
- 421 0179
*QL - R. Hilsmann
*Meeting 3rd Wednesday of month
- 251 5291
*Spectrum - R.Hilsmann
*Meeting 3rd Wednesday of month
- 251 5291

(NOTE NEITHER ANY AUTHOR OR SMUG BYTES TAKES ANY RESPONSIBILITY FOR ANY HARDWARE MODIFICATIONS TO YOUR EQUIPMENT.)

Last Minute Expo Hints and Happenings

Well the menu for the buffet banquet hass been turned in and it looks like a good one. If you are not aware of it the buffet will have three, count'm three Entree's. Baked Chicken, BBQ ribs, and Beef Stroganoff. So if you like to eat be sure to make your move now and get that reservation in. We are filling up fast. We will be sitting down around 6:30pm with dinner being served around 7.

Afterwards the motel will set up for the expo, so you vendors will be able to set up Friday night,if you wish. Also the doors will be open for set up Saturday morning at around 6:30am. The doors will open, for admission, at 9.

The Expo hours will be 9am to 5pm on Saturday and 9am to 4pm on Sunday. The drawings on the 1/2 hour.

An update on speakers: Gary Granger of DMA speaking on the Forth language. This is be an interesting topic. Forth is one of the few languages still in heavy use in the Computer community.

One other item is to get your room reservations in quickly. I can only hold our slot of rooms until the 15th of May. There will be no guarantee of availability after that. I'm sorry but that's the way it must be. Also pre registration must be postmarked by Sat. May 26.

We will have two seminar rooms. The first, 102, will contain the seminars and the other, 202, will have a video tape on static electricity. The static video is very entertaining and informative. Don't miss it. A Zap can cause a lot of damage. Find out what can cause a ZAP to hit.

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* **SAVE THE HASSLE.** have 2nd BYTES sell your " unused " computer, peripherals and software.
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* **SAVE TIME.** have our professional consultants assist you in finding the computer and the programs for your needs.
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* **WARRANTY.** on almost all equipment we sell.
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Well SMUGgers here's the reminder of the pre Expo meeting. This is for any one who wish's to help member or otherwise. There will be a workers meeting and please be there. I hope to have the complete work schedule for everyone.

Date: Wednesday, May 30, 1990. This date was picked as it seems to be the best time prior to the expo.

Location: Denny's on Silver Spring and Mayfair road. Well actually it's on Mayfair just a little North of Silver Spring.

Time: 6:30 thats pm not am. If you can't make it at that time come when you can. I should also have the T's and the Expo program for everyone.

A New Computer Use

To: All Employees

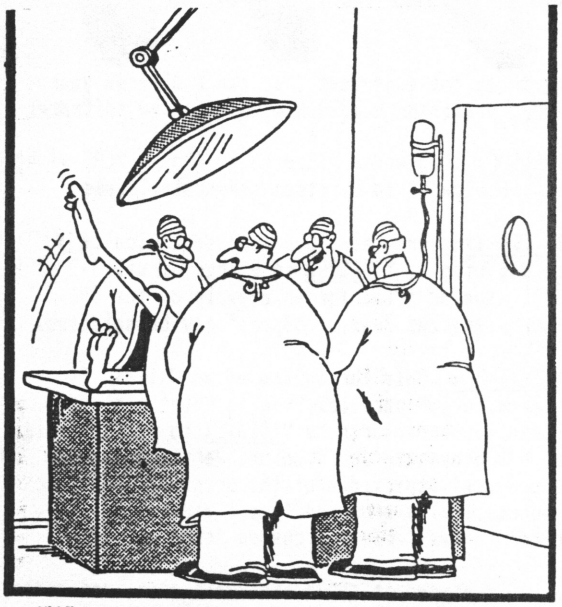
POLICY STATEMENT: In the past, you were permitted to make trips to the restroom under informal guidelines. Effective June 1,1990, a Restroom Trip Policy (RTP) will be established to provide a method of accounting for each employee's restroom time and ensuring equal treatment to employees.

PROCEDURE: Under this policy, a "Restroom Trip Bank" (RTB) will be established for each employee. The 1st day of each month, employees will be given a Restroom Trip Credit (RTC) of 20. Restroom trip credits can be accumulated from month to month.

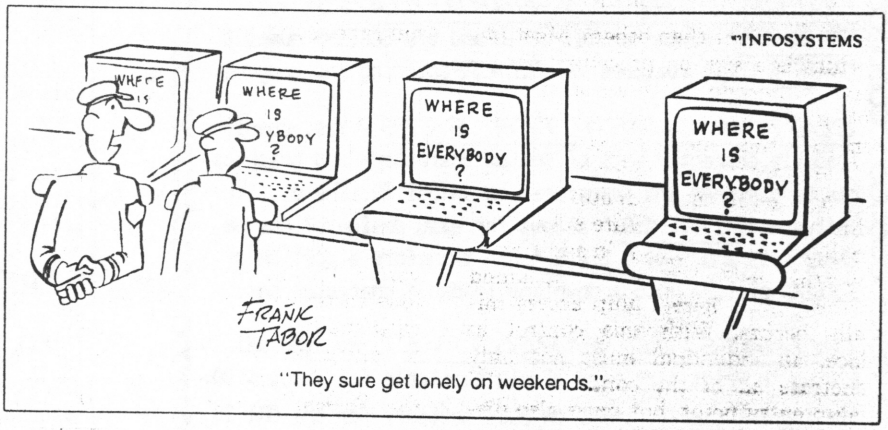
Currently, the entrances to all restrooms are being equipped with personnel Id. stations and computer linked voice print recognition. During the next weeks, each employee must provide two copies of voice prints(one normal,one under stress) to Personnel. The voice print recognition stations will be operational, but not restrictive, for the month of June; employees should acquaint themselves with the stations during that period.

If an employee's Restroom Trip Bank balance reaches zero, the doors to all restrooms will not unlock for that employee's voice until the first of the next month.

In addition, all restroom stalls are being equipped with timed paper roll retactors. If the stall is occupied for more than three minutes, an alarm will sound. Thirty seconds after the alarm sounds, the roll of paper in the stall will retract, the toilet will flush and the stall door will open.



"Whoa! *That* was a good one! Try it, Hobbs—just poke his brain right where my finger is."



"They sure get lonely on weekends."

You may be wondering why SMUG Bytes is arriving early. Well all you wonderful people I am doing the newsletter early to get it done before the expo. Those of you attending the expo, and you know who you are, will get a smooth? running? show. We will have some nice little items for you when you check in besides the usual badge. But back to the newsletter. Many thanks to all of you subscribers, user groups and other great Sinclairites out there. I hope you can make the Expo but if you can't I will have a wrap-up in the next issue. I also hope to have some new and exciting software from the great vendors we have in the wonderful world of Sinclair.

If anyone is interested in who was at the expo and what went on please write or call. The club would be glad to let you know all about it. But really we would much rather see you in person.

Is the *OKIMATE 20* the *ULTIMATE* TS2068 printer?

USE W/AERCO PRINTER I/F? Yes, if an IBM parallel Plug 'n Print cartridge is used.

OKI 20 FEATURES? The OKI 20 can print in NLQ, draft, pica, elite, fine, double width, italics, sub/superscript, & underline. Plain or thermal paper (tractor/friction feed) or acetate transparencies can be used.

COLOR SCREEN$ HARD-COPY? Yes!! "COLOR COPY" supports *FULL COLOR* and b/w SCREEN$ dumps & "PAINT & COPY" features *HI-RES MODE* coloring and copying.

CUSTOM CHARACTER SETS? Yes, downline loadable character sets of custom characters and graphics can be designed and transfered to an OKI 20. The utility software "OKI D.L.C.G." allows for easy design of custom char. sets and "OKI D.L.P.G." can transform a portion of a SCREEN$ picture into a downline loadable character set.

OKIMATE 20 EXPENSIVE? No, the OKI 20 & Plug 'n Print cart. are widely available for about $180.

For a print sample, info. on 2068 software for the OKI 20, and a list of OKI 20 dealers/prices, send a LSASE to:

John McMichael
1710 Palmer Dr.
Laramie, WY 82070

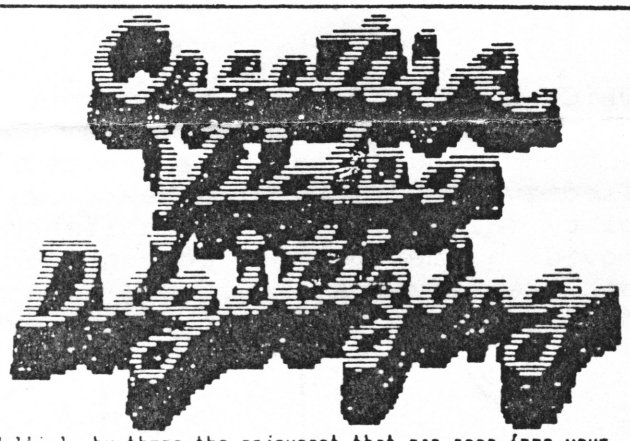
NEW! OKIMATE 10 SUPPORT

It would flunk Chinese 101

Computerized translation of languages apparently still has a way to go. Ken Smith,a physicst at Bell Laboratories, recently told a Dallas audience about tests his group conducted with new translation software. They entered the saying "Out of sight, out of mind" into the computer for translation into Chinese and then back into English. And what came out? "Invisible idiot."

Well Just Got The New Updates Magazine

Haven't had a chance to dig through it yet but I am realy glad to see it. We still have one magazine publishing for us Sinclairites.



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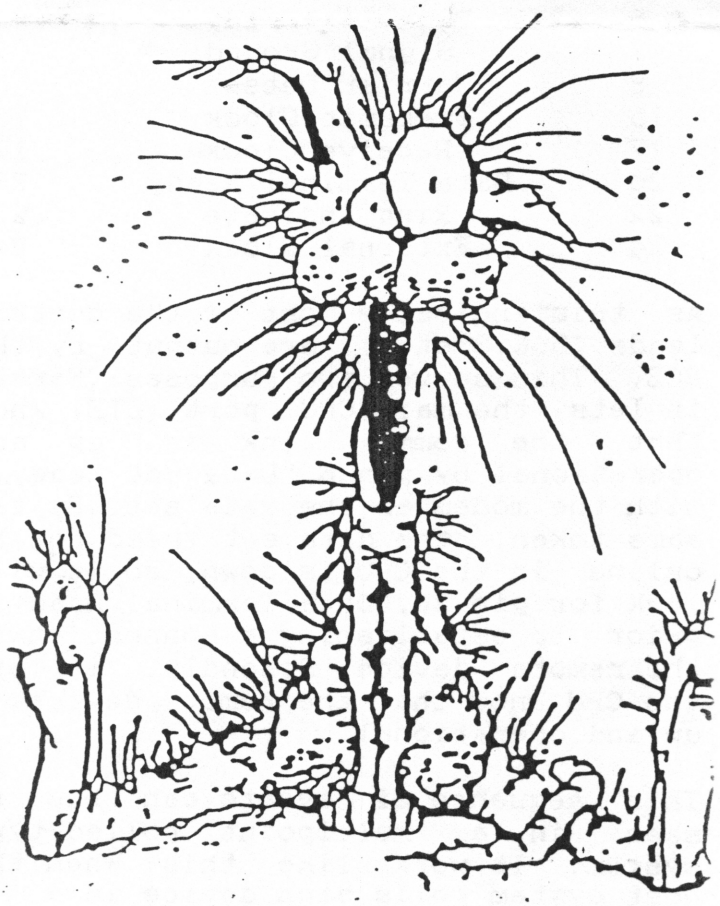
MY GOAL AT

DAY-END

IS TO LOOK

LIKE THIS....

NOT THIS....



DTE/DCE

What is the Difference between DTE and DCE configured ports on RS-232 equipment?

First, let's define DTE and DCE. DTE stands for Data Terminal Equipment, which normally either initiates or receives data transmissions. DCE stands for Data Communications Equip., which is used as the media for inter-connecting equipment in a comm. link. Examples of each type of equipment are

DTE	DCE
Computers	Modems
Terminals	Multiplexors
Printers	DSU/CSUs

In reviewing the RS-232 interface, examination of the signal directions provides a clearer picture of how DTE & DCE devices communicate. See below:

DTE	Description	DCE
2	Transmit Data/Receive Data	2
3	Receive Data/Transmit Data	3
4	Request to Send	4
5	Clear to Send	5
6	Data Set Ready	6
7	Signal Ground	7
8	Carrier Detect	8
15	Transmit Clock	15
17	Receive Clock	17
20	Data Terminal Ready	20
22	Ring Indicate	22
24	External Clock	24

As this indicates most of the control leads (5,6,8,etc.) are output by the DCE. This serves two purposes: First, it lets the main CPU port (DTE) know that the comm. link is up and operational by pin 6,"Data Set Ready," with the modem as the data set. By the same token, the data set need not be online if the CPU is down, so it will look for pin 20,"Data Terminal Ready," prior to establishing a connection to the remote device. Secondly, it lets the CPU know that the remote device is up and operational.

This sequence of events can best be seen in a multipoint polled-type system. It works like this: When the host system polls each device in a

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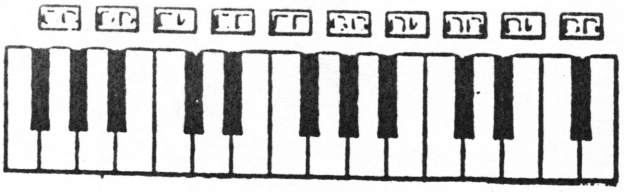

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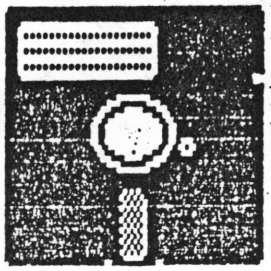

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specific poll-type protocol, its data set uses a constant carrier configuration. Each drop in the network will have a switched carrier configuration.

On a flow chart, the sequence of events is as follows:

+Power up DTEs, both remote and local. DTR goes high from DTEs.
+Bring up comm. link or DCE equipment. "Data Set Ready" is output by DCE to let the system know th comm. link is operational.
+Boot operating sys. in CPU. "Request to Send" is output constant from CPU. The CPUs data set gives a "Clear to Send" signal to CPU and each drop gets"Carrier Detect"signal from their own data sets, which tells them the host is available for communications.
+The host will generate its poll. This will be sent to all drops on the link and it will be up to the links to respond to their own specific address (which will be part of the poll).
+Prior to responding to the poll, the DTE on the drop will raise "Requerst to Send," get "Clear to Send" signal, & host will receive "Carrier Detect" from its "Data Set." This will tell the host the drop is ready to send.
+Exchange of data can now occur.

In summary, there are many variations of this as manufacturers vary from standards.

Tools For Rescuing Your Newsletter—

by Don Poll, August Inside DPMA.

We are stranded on a tropical island in the South Pacific.

Our ticket home is to create a prize winning Newsletter. To aid us we can choose 10 tools-10 essential resources for the publications professional.

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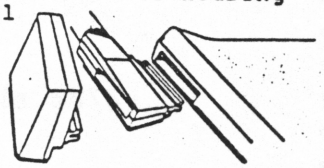

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Newsletter Cont.

Stylebook:
The Associated Press Style book. It gives style guidelines that shape 90% of the words people read every day (newspaper copy). The AP Stylebook describes how to treat numbers and names, how to abbreviate, how to punctuate and how to conjugate.

Word processor:
A basic word processing system is a must for composition and editing.

Hand waxer:
Replaces rubber cement. This is a compact little tool that applies a thin layer of wax to the back of type or line art which is pasted onto key lines. It allows us to reposition copy while it holds all the pieces on a paste-up securely in place.

Design guide:
For design decisions, we need an idea source. Print magazine's design annual is the best. To request a copy of the annual, write to Print,6400-Goldsboro Road, Bethesda, MD 20817.

Border tape:
In the nuts and bolts department, we need 10 rolls of 1/2 point border tape. This is the material that allows us to place boxes and lines on the printed page. And 1/2 point (1/144 of an inch) is the best width.

Photocopier:
With a long undersea extension cord to a safely-grounded outlet on the mainland, we'll order a photocopier with enlargement and reduction capabilities as our next selection.

Accessories:
To complete our list of 10 items, lets procure a box of 100 single-edge razor blades, three No.1 point technical pens and a pad of Satin Design paper (similar to heavy tracing paper), ideal for thumbnail sketches and for creating overlays on which to write instructions to the printer.
Poll Communications Group, 2000 S. Aldrich Ave. Minneapolis, MN 55405.

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PRESIDENTS MESSAGE

The Expo looks like it's going to be a great Happening. Seminars on Forth, DTP, Communications, Artificial Intelligence, Quill and Static Elec. Vendors are still signing up and user groups also. The food sounds good and the pool looks great. If you do miss out on a motel reservation at the Holiday Inn there are others close by.

Upcomming fests: Chicago Amateur Radio Club Hamfest;May 27;3300 N. Campbell Chi.IL;8-4 in/out door $3.: June 2-3 1990, Sinclair Expo Waukesha Holiday Inn, Waukesha WI: June 17;UW Stevens Point Student Center 8-4 $1:Swapfest 90; SMARC;Sat. July 7;Amer.Legion Post Oak Creek WI;$4:Hamfest/Computer Mart; 4000 Saratoga Downers Grove,IL;July 8; 8am-?;$3.

New Sinclair MAG. For Desk Top Pub.

Its called "The Sinclair Desktop Publishing Journal" and its edited by Mike Felerski. The address is xxxx Brushwood Avenue Cincinnati,OH 45224.

My first issue arrived last week and I was pleasantly surprised with it. Mike has covered Jack Dohany and the new word processing program for which Jack is the US distributor. It appears that this is the new TS2068 word processing program for the 90's.

Also covered was the Pixel Print Professional 5.0. It was released in February of this year as Fairware. This means it can be copied and if you like the program send Stan Lemke $25 or what ever you think is fair. The program consists of 5 modules. These modules are incorporated within a Boot program that contains a menu to select the proper module.

The third program is "The Print Factory" by Byte Power Magazine. It is a page maker program with which you can create posters, newsletters, cover pages and more.

If this seems like a mag. for you please contact Mike. With out support the whole Sinclair family will die out and leave everything to Itty Bitty Marble company.

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(SMUG)

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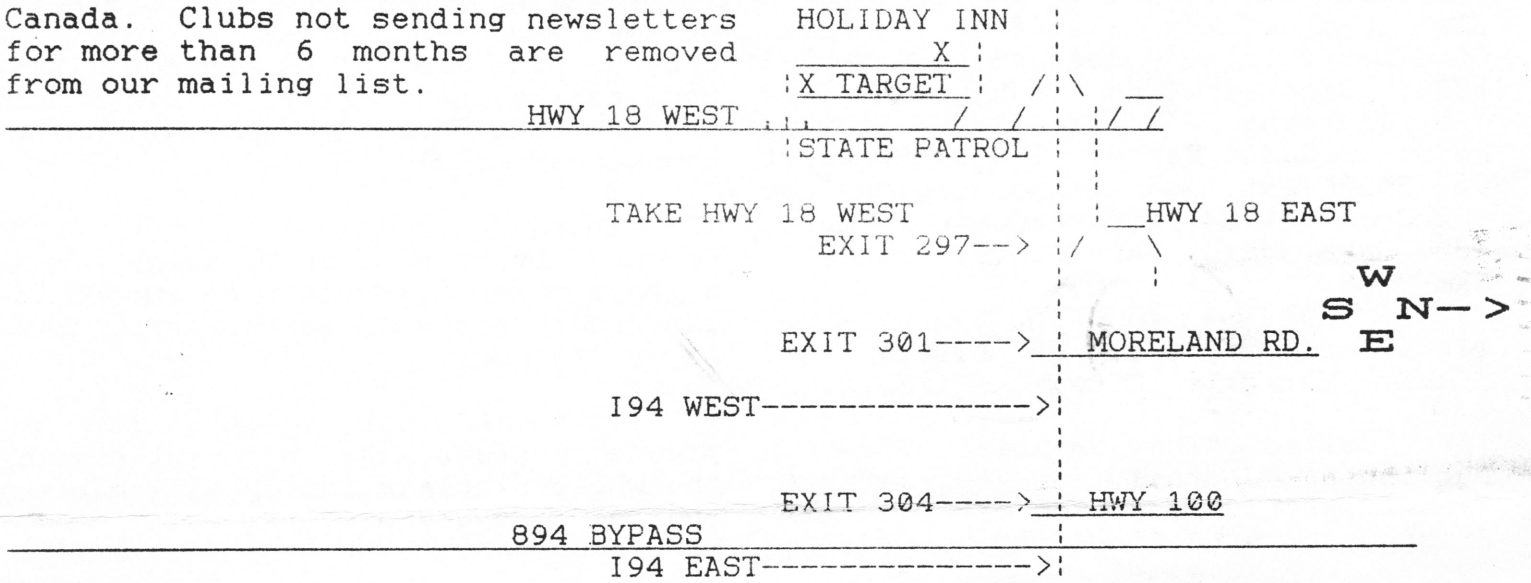
Editor and contact person is:
Bill Heberlein (414) 527 2191.

SMUG maintains a gratis exchange of newsletters with approximately 30 Users Groups across the U.S. and Canada. Clubs not sending newsletters for more than 6 months are removed from our mailing list.

Newsletter subscription is available for only $10 per year to non members or free with a club membership. A club membership is $20 per year for a family membership.

Advertising cost for 1/2 page ad runing for six months is $10. The ad copy may be changed each month but you must supply the copy.



SMUG BYTES
5052 N. 91st Street
Milwaukee WI 53225
Address Correction Requested

The next meeting of SMUG will be held on:
Wednesday, June 6,1990

6pm Set Up
6:30 Review of the Expo
7:30 Business Meeting
8:30 A big thank you to all those who helped at the expo!
10:30 Clean Up

Location:
Equitable Savings and Loan,
145th and Capital Drive,
Milwaukee Wisconsin